

Gregory, Bernarr

From: PLUS
Sent: Thursday, February 10, 2005 2:09 PM
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Subject: PLUS Results for 10735566

Here are the PLUS search results for 10735566.

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10735566_QUAL.txt



10735566_UST.txt



10735566_WEST.txt



10735566_EAST.txt



10735566.east



10735566_CLS.txt



10735566_CLSTITLES.t
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10735566_WDS.txt

10735566_LIST

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PLUS Search Results for S/N 10735566, Searched February 10, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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10735566_CLS
Most Frequently Occurring Classifications of Patents Returned
From A Search of 10735566 on February 10, 2005

Original Classifications

21	342/174
6	342/25R
6	342/70
6	342/93
5	342/13
5	342/90
5	342/91
4	342/165
4	342/189
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3	356/139.04
2	180/169
2	324/613
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2	340/435
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2 382/103
2 600/407

Cross-Reference Classifications

16 342/174.
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2 340/541
2 340/942
2 340/945
2 340/961

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2 342/1
2 342/10
2 342/102
2 342/11
2 342/111
2 342/113
2 342/121
2 342/123
2 342/134
2 342/135
2 342/137
2 342/147
2 342/15
2 342/152
2 342/157
2 342/17
2 342/170
2 342/171
2 342/176
2 342/179
2 342/187
2 342/191
2 342/199
2 342/202
2 342/204
2 342/25F
2 342/26B
2 342/351
2 342/357.08
2 342/357.1
2 342/357.13
2 342/359
2 342/360
2 342/361
2 342/37
2 342/423
2 342/43
2 342/460
2 342/5
2 342/55
2 342/57
2 342/6
2 342/80
2 342/82
2 342/9
2 342/96
2 342/97
2 343/754

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2 348/144
2 356/139.05
2 356/139.06
2 356/243.1
2 356/477
2 356/5.07
2 356/5.1
2 356/5.13
2 356/5.15
2 356/613
2 367/13
2 367/93
2 367/98
2 368/120
2 375/317
2 375/340
2 382/106
2 382/153
2 434/2
2 455/1
2 455/205
2 455/226.1
2 701/119
2 701/208
2 702/106

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Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10735566 on February 10, 2005

37	342/174	(21 OR, 16 XR)
	Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/165	TESTING OR CALIBRATING OF RADAR SYSTEM
	342/173	.By monitoring
	342/174	..Calibrating
16	342/159	(3 OR, 13 XR)
	Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/159	CLUTTER ELIMINATION
14	342/90	(5 OR, 9 XR)
	Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/73	RETURN SIGNAL CONTROLS RADAR SYSTEM
	342/89	.Receiver
	342/90	..Automatic target detection
11	342/165	(4 OR, 7 XR)
	Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/165	TESTING OR CALIBRATING OF RADAR SYSTEM
11	342/194	(2 OR, 9 XR)
	Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/175	WITH PARTICULAR CIRCUIT
	342/194	.Complex signal (in phase and quadrature)
11	342/22	(4 OR, 7 XR)
	Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/22	TRANSMISSION THROUGH MEDIA OTHER THAN AIR OR FREE SPACE
11	342/70	(6 OR, 5 XR)
	Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/61	RETURN SIGNAL CONTROLS EXTERNAL DEVICE
	342/70	.Radar mounted on and controls land vehicle
10	342/160	(3 OR, 7 XR)

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	Class	342	:	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/159			CLUTTER ELIMINATION
	342/160			.MTI (Moving target indicator)
10	342/175			(0 OR, 10 XR)
	Class	342	:	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/175			WITH PARTICULAR CIRCUIT
10	342/195			(1 OR, 9 XR)
	Class	342	:	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/175			WITH PARTICULAR CIRCUIT
	342/195			.Digital processing
9	342/104			(3 OR, 6 XR)
	Class	342	:	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/104			DETERMINING VELOCITY
9	342/162			(2 OR, 7 XR)
	Class	342	:	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/159			CLUTTER ELIMINATION
	342/160			.MTI (Moving target indicator)
	342/162			..Digital
9	342/172			(3 OR, 6 XR)
	Class	342	:	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/165			TESTING OR CALIBRATING OF RADAR SYSTEM
	342/169			.By simulation
	342/172			..With delay
9	342/91			(5 OR, 4 XR)
	Class	342	:	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/73			RETURN SIGNAL CONTROLS RADAR SYSTEM
	342/89			.Receiver
	342/91			..Gain or threshold
9	342/93			(6 OR, 3 XR)
	Class	342	:	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/73			RETURN SIGNAL CONTROLS RADAR SYSTEM
	342/89			.Receiver
	342/91			..Gain or threshold

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342/93 ...Constant false alarm rate (CFAR)

9 701/96 (4 OR, 5 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/1 VEHICLE CONTROL; GUIDANCE, OPERATION, OR
INDICATION

701/70 ..Indication or control of braking,
acceleration, or deceleration

701/93 ..Vehicle speed control (e.g., cruise control)

701/96 ...Having inter-vehicle distance or speed
control

8 342/173 (3 OR, 5 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/165 TESTING OR CALIBRATING OF RADAR SYSTEM

342/173 ..By monitoring

8 342/196 (1 OR, 7 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/175 WITH PARTICULAR CIRCUIT

342/195 ..Digital processing

342/196 ..Fast fourier transform (FFT)

8 342/20 (3 OR, 5 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/13 RADAR EW (ELECTRONIC WARFARE)

342/20 ..Detection of surveillance

8 342/94 (2 OR, 6 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM

342/89 ..Receiver

342/94 ..Gating

8 342/95 (3 OR, 5 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM

342/89 ..Receiver

342/94 ..Gating

342/95 ...Automatic range tracking

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8	701/301	(4 OR, 4 XR)	
	Class	701 :	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/300		RELATIVE LOCATION
	701/301		.Collision avoidance
7	342/115	(1 OR, 6 XR)	
	Class	342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/104		DETERMINING VELOCITY
	342/115		.Digital
7	342/13	(5 OR, 2 XR)	
	Class	342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/13		RADAR EW (ELECTRONIC WARFARE)
7	342/149	(3 OR, 4 XR)	
	Class	342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/147		DETERMINING DIRECTION
	342/149		.Monopulse
7	342/192	(2 OR, 5 XR)	
	Class	342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/175		WITH PARTICULAR CIRCUIT
	342/192		.Spectrum analysis
7	342/28	(2 OR, 5 XR)	
	Class	342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/27		PRESENCE DETECTION ONLY
	342/28		.By motion detection
6	342/109	(0 OR, 6 XR)	
	Class	342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/104		DETERMINING VELOCITY
	342/109		.Combined with determining distance
6	342/114	(0 OR, 6 XR)	
	Class	342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/104		DETERMINING VELOCITY
	342/114		.Combined with determining sense of motion (i.e., approaching or receding)

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6	342/118	(1 OR, 5 XR)	
	Class	342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/118		DETERMINING DISTANCE
6	342/145	(0 OR, 6 XR)	
	Class	342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/118		DETERMINING DISTANCE
	342/145		.With correlation
6	342/189	(4 OR, 2 XR)	
	Class	342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/175		WITH PARTICULAR CIRCUIT
	342/189		.For correlation
6	342/21	(1 OR, 5 XR)	
	Class	342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/21		BASE BAND SYSTEM
6	342/25R	(6 OR, 0 XR)	
	Class	342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/25R		SYNTHETIC APERTURE RADAR
6	342/92	(2 OR, 4 XR)	
	Class	342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/73		RETURN SIGNAL CONTROLS RADAR SYSTEM
	342/89		.Receiver
	342/91		..Gain or threshold
	342/92		...Automatic gain control (AGC)
6	348/169	(0 OR, 6 XR)	
	Class	348 :	TELEVISION
	348/169		OBJECT TRACKING
5	180/169	(2 OR, 3 XR)	
	Class	180 :	MOTOR VEHICLES
	180/167		WITH MEANS FOR CONTROLLING OPERATION RESPONSIV

E

CE, OR SOUND

ROM OBJECT OR

TO ELECTROMAGNETIC RADIATION, MAGNETIC FOR

WAVES RECEIVED FROM SOURCE, OR REFLECTED F

SURFACE, LOCATED APART FROM VEHICLE

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180/169 .Radiation, force, or waves reflected from
external object or surface

5 340/936 (2 OR, 3 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/933 VEHICLE DETECTORS
340/936 .Speed and overspeed

5 340/937 (1 OR, 4 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/933 VEHICLE DETECTORS
340/937 .With camera

5 342/107 (0 OR, 5 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/104 DETERMINING VELOCITY
342/107 .Combined with determining distance and
direction

5 342/128 (2 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/118 DETERMINING DISTANCE
342/128 .With frequency modulation

5 342/169 (2 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/165 TESTING OR CALIBRATING OF RADAR SYSTEM
342/169 .By simulation

5 342/188 (2 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/175 WITH PARTICULAR CIRCUIT
342/188 .With polarization

5 342/25A (0 OR, 5 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/25R SYNTHETIC APERTURE RADAR
342/25A .Mapping or imaging using synthetic aperture
radar

5 342/26R (3 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

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342/26R Radar for meteorological use

- 5 342/52 (2 OR, 3 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/52 COMBINED WITH DIVERSE TYPE RADIANT ENERGY
 SYSTEM
- 5 342/53 (2 OR, 3 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/52 COMBINED WITH DIVERSE TYPE RADIANT ENERGY
 SYSTEM
 342/53 .With infrared device
- 5 342/58 (1 OR, 4 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/52 COMBINED WITH DIVERSE TYPE RADIANT ENERGY
 SYSTEM
 342/58 .With transmission to a remote station
- 5 342/85 (4 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM
 342/82 .Transmitter
 342/83 ..Signal phase or frequency other than pulse
 repetition frequency (PRF)
 342/85 ...Function of distance
- 5 701/70 (0 OR, 5 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/70 .Indication or control of braking,
 acceleration, or deceleration
- 4 250/203.1 (0 OR, 4 XR)
 Class 250 : RADIANT ENERGY
 250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
 250/201.1 .Photocell controls its own optical systems
 250/203.1 ..Following a target (e.g., a star or
 instrument pointer or other object) other t
 han a pattern
- 4 340/436 (0 OR, 4 XR)

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Class 340 : COMMUNICATIONS: ELECTRICAL
 340/425.5 LAND VEHICLE ALARMS OR INDICATORS
 340/436 .Of collision or contact with external object

- 4 340/554 (0 OR, 4 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/540 .Specific condition
 340/541 ..Intrusion detection
 340/552 ...Disturbance of electromagnetic waves
 340/554Doppler effect
- 4 342/120 (3 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/118 DETERMINING DISTANCE
 342/120 .Altimeter
- 4 342/14 (3 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/13 RADAR EW (ELECTRONIC WARFARE)
 342/14 .ECM (Electronic countermeasures, i.e.,
 jamming)
- 4 342/140 (0 OR, 4 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/118 DETERMINING DISTANCE
 342/134 .With pulse modulation
 342/139 ..Combined with determining direction
 342/140 ...With azimuth and elevation determination
- 4 342/156 (2 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/147 DETERMINING DIRECTION
 342/156 .Interferometer
- 4 342/200 (1 OR, 3 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT
 342/200 .For frequency modulation
- 4 342/205 (1 OR, 3 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS

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AND DEVICES

342/175 WITH PARTICULAR CIRCUIT
342/205 .Sensitivity time control (STC)

4 342/27 (1 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/27 PRESENCE DETECTION ONLY

4 342/36 (1 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/36 AIR TRAFFIC CONTROL

4 342/59 (1 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/59 PLURAL RADAR

4 342/68 (1 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/61 RETURN SIGNAL CONTROLS EXTERNAL DEVICE
342/68 .Proximity fuze

4 342/89 (1 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM
342/89 .Receiver

4 348/135 (0 OR, 4 XR)
Class 348 : TELEVISION
348/61 SPECIAL APPLICATIONS
348/135 .Object or scene measurement

4 382/104 (0 OR, 4 XR)
Class 382 : IMAGE ANALYSIS
382/100 APPLICATIONS
382/104 .Vehicle or traffic control (e.g., auto, bus,
or train)

4 701/111 (1 OR, 3 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION
701/99 .With indicator or control of power plant

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(e.g., performance)

701/101 ..Internal-combustion engine
701/102 ...Digital or programmed data processor
701/111Vibration, roughness, knock

4 701/65 (0 OR, 4 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION
701/51 .Transmission control
701/65 ..Responsive to road, external, or ambient
condition

3 89/41.07 (0 OR, 3 XR)
Class 089 : ORDNANCE
89/37.01 MOUNTS
89/41.01 .Training mechanisms
89/41.02 ..Motor operated
89/41.07 ...By radar

3 340/435 (2 OR, 1 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/425.5 LAND VEHICLE ALARMS OR INDICATORS
340/435 .Of relative distance from an obstacle

3 340/903 (0 OR, 3 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/901 EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR O
R
ALARM
340/902 .Transmitter in another vehicle (e.g.,
emergency vehicle)
340/903 ..Relative distance between vehicles (e.g.,
collision alert)

3 340/904 (0 OR, 3 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/901 EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR O
R
ALARM
340/904 .Transmitter in one vehicle only

3 342/105 (0 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/104 DETERMINING VELOCITY
342/105 .Other than doppler (e.g., range rate)

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- 3 342/108 (0 OR, 3 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/104 DETERMINING VELOCITY
 342/107 ..Combined with determining distance and
 direction
 342/108 ..With correlation
- 3 342/119 (1 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/118 DETERMINING DISTANCE
 342/119 .Miss distance indicator (MDI)
- 3 342/127 (1 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/118 DETERMINING DISTANCE
 342/127 .Phase comparison
- 3 342/136 (1 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/118 DETERMINING DISTANCE
 342/134 .With pulse modulation
 342/135 ..Digital (e.g., with counter)
 342/136 ...With plural fixed range gates
- 3 342/146 (0 OR, 3 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/118 DETERMINING DISTANCE
 342/146 .Combined with determining direction
- 3 342/151 (3 OR, 0 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/147 DETERMINING DIRECTION
 342/149 .Monopulse
 342/151 ..With channel equalization
- 3 342/161 (2 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/159 CLUTTER ELIMINATION
 342/160 .MTI (Moving target indicator)
 342/161 ..With vehicle movement compensation (e.g.,

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AMTI (Airborn MTI))

- 3 342/163 (0 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/159 CLUTTER ELIMINATION
342/160 .MTI (Moving target indicator)
342/163 ..With blind speed elimination
- 3 342/184 (1 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/175 WITH PARTICULAR CIRCUIT
342/176 .Display
342/184 ..With stabilization (e.g., True Motion, True
North)
- 3 342/190 (0 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/175 WITH PARTICULAR CIRCUIT
342/190 .With recording
- 3 342/197 (0 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/175 WITH PARTICULAR CIRCUIT
342/195 .Digital processing
342/197 ..With video quantizer
- 3 342/201 (0 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/175 WITH PARTICULAR CIRCUIT
342/200 .For frequency modulation
342/201 ..Combined with pulse modulation
- 3 342/26D (0 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/26R Radar for meteorological use
342/26D .Ground based
- 3 342/357.06 (0 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/352 .Including a satellite

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- 3 342/99 (1 OR, 2 XR)
 - Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
 - 342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM
 - 342/89 .Receiver
 - 342/98 ..Frequency
 - 342/99 ...Doppler frequency tracking
- 3 348/148 (0 OR, 3 XR)
 - Class 348 : TELEVISION
 - 348/61 SPECIAL APPLICATIONS
 - 348/143 .Observation of or from a specific location (e.g., surveillance)
 - 348/148 ..Vehicular
- 3 356/139.04 (3 OR, 0 XR)
 - Class 356 : OPTICS: MEASURING AND TESTING
 - 356/138 ANGLE MEASURING OR ANGULAR AXIAL ALIGNMENT
 - 356/139.04 .Automatic following or aligning while indicating measurement
- 3 356/28 (0 OR, 3 XR)
 - Class 356 : OPTICS: MEASURING AND TESTING
 - 356/27 VELOCITY OR VELOCITY/HEIGHT MEASURING
 - 356/28 .With light detector (e.g., photocell)
- 3 356/5.01 (2 OR, 1 XR)
 - Class 356 : OPTICS: MEASURING AND TESTING
 - 356/3 RANGE OR REMOTE DISTANCE FINDING
 - 356/4.01 .With photodetection
 - 356/5.01 ..Of pulse transit time
- 3 356/5.09 (2 OR, 1 XR)
 - Class 356 : OPTICS: MEASURING AND TESTING
 - 356/3 RANGE OR REMOTE DISTANCE FINDING
 - 356/4.01 .With photodetection
 - 356/5.09 ..Of frequency difference
- 3 367/136 (1 OR, 2 XR)
 - Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE SYSTEMS AND DEVICES
 - 367/135 RECEIVER CIRCUITRY
 - 367/136 .Responsive to intruder energy
- 3 382/103 (2 OR, 1 XR)
 - Class 382 : IMAGE ANALYSIS
 - 382/100 APPLICATIONS

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382/103 .Target tracking or detecting

3 600/407 (2 OR, 1 XR)
 Class 600 : SURGERY
 600/300 DIAGNOSTIC TESTING
 600/407 .Detecting nuclear, electromagnetic, or
 ultrasonic radiation

3 701/213 (0 OR, 3 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/200 NAVIGATION
 701/207 .Employing position determining equipment
 701/213 ..Using Global Positioning System (GPS)

3 701/300 (0 OR, 3 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/300 RELATIVE LOCATION

2 89/41.22 (1 OR, 1 XR)
 Class 089 : ORDNANCE
 89/37.01 MOUNTS
 89/41.01 .Training mechanisms
 89/41.19 ..Sights or line devices
 89/41.22 ...For anti-aircraft

2 102/211 (0 OR, 2 XR)
 Class 102 : AMMUNITION AND EXPLOSIVES
 102/200 IGNITING DEVICES AND SYSTEMS
 102/206 .Ignition or detonation circuit
 102/211 ..Proximity fuze

2 102/214 (0 OR, 2 XR)
 Class 102 : AMMUNITION AND EXPLOSIVES
 102/200 IGNITING DEVICES AND SYSTEMS
 102/206 .Ignition or detonation circuit
 102/211 ..Proximity fuze
 102/214 ...Radio wave

2 180/170 (0 OR, 2 XR)
 Class 180 : MOTOR VEHICLES
 180/170 WITH MEANS RESPONSIVE TO SPEED OF VEHICLE FOR
 MAINTAINING SPEED AT, OR PREVENTING IT FROM
 EXCEEDING, A
 PARTICULAR VALUE

2 250/338.1 (0 OR, 2 XR)

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Class 250 : RADIANT ENERGY

250/336.1 INVISIBLE RADIANT ENERGY RESPONSIVE ELECTRIC
SIGNALLING

250/338.1 .Infrared responsive

2 318/587 (0 OR, 2 XR)

Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS

318/560 POSITIONAL SERVO SYSTEMS (E.G.,
SERVOMECHANISMS)

318/580 .Vehicular guidance systems with single axis
control

318/587 ..Land vehicles

2 324/613 (2 OR, 0 XR)

Class 324 : ELECTRICITY: MEASURING AND TESTING

324/600 IMPEDANCE, ADMITTANCE OR OTHER QUANTITIES
REPRESENTATIVE OF ELECTRICAL STIMULUS/RES
PONSE

RELATIONSHIPS

324/612 .Parameter related to the reproduction or
fidelity of a signal affected by a circuit
under test

324/613 ..Noise

2 324/76.19 (0 OR, 2 XR)

Class 324 : ELECTRICITY: MEASURING AND TESTING

324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PE
R

SE

324/76.12 .Analysis of complex waves

324/76.19 ..Frequency spectrum analyzer

2 324/76.23 (0 OR, 2 XR)

Class 324 : ELECTRICITY: MEASURING AND TESTING

324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PE
R

SE

324/76.12 .Analysis of complex waves

324/76.19 ..Frequency spectrum analyzer

324/76.23 ...With mixer

2 331/10 (2 OR, 0 XR)

Class 331 : OSCILLATORS

331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHAS
E

OR FREQUENCY SENSING MEANS

331/10 .Plural A.F.S. for a single oscillator

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2	331/16	(0 OR, 2 XR)	
	Class	331 :	OSCILLATORS
	331/1R		AUTOMATIC FREQUENCY STABILIZATION USING A PHAS
E			
			OR FREQUENCY SENSING MEANS
	331/16		.Tuning compensation
2	331/17	(0 OR, 2 XR)	
	Class	331 :	OSCILLATORS
	331/1R		AUTOMATIC FREQUENCY STABILIZATION USING A PHAS
E			
			OR FREQUENCY SENSING MEANS
	331/17		.Particular error voltage control (e.g., intergrating network)
2	331/25	(0 OR, 2 XR)	
	Class	331 :	OSCILLATORS
	331/1R		AUTOMATIC FREQUENCY STABILIZATION USING A PHAS
E			
			OR FREQUENCY SENSING MEANS
	331/18		.With reference oscillator or source
	331/25		..Signal or phase comparator
2	331/4	(1 OR, 1 XR)	
	Class	331 :	OSCILLATORS
	331/1R		AUTOMATIC FREQUENCY STABILIZATION USING A PHAS
E			
			OR FREQUENCY SENSING MEANS
	331/4		.Search sweep of oscillator
2	340/541	(0 OR, 2 XR)	
	Class	340 :	COMMUNICATIONS: ELECTRICAL
	340/500		CONDITION RESPONSIVE INDICATING SYSTEM
	340/540		.Specific condition
	340/541		..Intrusion detection
2	340/942	(0 OR, 2 XR)	
	Class	340 :	COMMUNICATIONS: ELECTRICAL
	340/933		VEHICLE DETECTORS
	340/942		.Photoelectric
2	340/945	(0 OR, 2 XR)	
	Class	340 :	COMMUNICATIONS: ELECTRICAL
	340/945		AIRCRAFT ALARM OR INDICATING SYSTEMS
2	340/961	(2 OR, 0 XR)	
	Class	340 :	COMMUNICATIONS: ELECTRICAL
	340/945		AIRCRAFT ALARM OR INDICATING SYSTEMS

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340/961 .Potential collision with other aircraft

2 342/1 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/1 RADIO WAVE ABSORBER

2 342/10 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/5 RADAR REFLECTOR
 342/10 .Inflatable or collapsable

2 342/102 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM
 342/89 .Receiver
 342/98 ..Frequency
 342/102 ...Phase

2 342/11 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/5 RADAR REFLECTOR
 342/11 .With spherical lens (e.g., Luneberg lens)

2 342/111 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/104 DETERMINING VELOCITY
 342/109 .Combined with determining distance
 342/111 ..With plural receiver frequency band
 separation

2 342/113 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/104 DETERMINING VELOCITY
 342/113 .Combined with determining direction (i.e.,
 bearing)

2 342/121 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/118 DETERMINING DISTANCE
 342/120 .Altimeter
 342/121 ..With additional indicator

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2 342/123 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/118 DETERMINING DISTANCE
342/123 .Height finder

2 342/134 (1 OR, 1 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/118 DETERMINING DISTANCE
342/134 .With pulse modulation

2 342/135 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/118 DETERMINING DISTANCE
342/134 .With pulse modulation
342/135 ..Digital (e.g., with counter)

2 342/137 (1 OR, 1 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/118 DETERMINING DISTANCE
342/134 .With pulse modulation
342/137 ..With variable pulse repetition frequency
(PRF) or pulse width

2 342/147 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/147 DETERMINING DIRECTION

2 342/15 (1 OR, 1 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/13 RADAR EW (ELECTRONIC WARFARE)
342/14 .ECM (Electronic countermeasures, i.e.,
jamming)
342/15 ..With repeater

2 342/152 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/147 DETERMINING DIRECTION
342/149 .Monopulse
342/152 ..With quadrature difference processing

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2	342/157	(1 OR, 1 XR)	
	Class	342	: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/147		DETERMINING DIRECTION
	342/157		.With frequency or phase steering
2	342/17	(1 OR, 1 XR)	
	Class	342	: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/13		RADAR EW (ELECTRONIC WARFARE)
	342/16		.ECCM (Electronic counter-countermeasures, i.e., antijamming)
	342/17		..Radar reacts to jamming
2	342/170	(1 OR, 1 XR)	
	Class	342	: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/165		TESTING OR CALIBRATING OF RADAR SYSTEM
	342/169		.By simulation
	342/170		..Microwave
2	342/171	(0 OR, 2 XR)	
	Class	342	: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/165		TESTING OR CALIBRATING OF RADAR SYSTEM
	342/169		.By simulation
	342/171		..Doppler
2	342/176	(0 OR, 2 XR)	
	Class	342	: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/175		WITH PARTICULAR CIRCUIT
	342/176		.Display
2	342/179	(2 OR, 0 XR)	
	Class	342	: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/175		WITH PARTICULAR CIRCUIT
	342/176		.Display
	342/179		..Image production
2	342/187	(0 OR, 2 XR)	
	Class	342	: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/175		WITH PARTICULAR CIRCUIT
	342/187		.Augmenter
2	342/191	(0 OR, 2 XR)	

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Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/175 WITH PARTICULAR CIRCUIT

342/190 .With recording

342/191 ..Mapping

2 342/199 (0 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/175 WITH PARTICULAR CIRCUIT

342/199 .Automatic frequency control (AFC)

2 342/202 (0 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/175 WITH PARTICULAR CIRCUIT

342/202 .For pulse modulation

2 342/204 (1 OR, 1 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/175 WITH PARTICULAR CIRCUIT

342/202 .For pulse modulation

342/204 ..With pulse shaping

2 342/25F (0 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/25R SYNTHETIC APERTURE RADAR

342/25A .Mapping or imaging using synthetic aperture
radar

342/25F ..Particular SAR processing techniques (e.g.
squint mode, doppler beam-sharpening mode,
spotlight mode,
bistatic SAR, inverse SAR)

2 342/26B (0 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/26R Radar for meteorological use

342/26B .Mounted on aircraft

2 342/351 (0 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/350 DIRECTIVE

342/351 .Including a radiometer

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2 342/357.08 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite
 342/357.01 ..With position indicating
 342/357.06 ...Using Global Positioning Satellite (GPS or
 Glonass)
 342/357.08Determining relative position (e.g.,
 distance or direction)

2 342/357.1 (2 OR, 0 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite
 342/357.01 ..With position indicating
 342/357.06 ...Using Global Positioning Satellite (GPS or
 Glonass)
 342/357.1Combined with telecommunication

2 342/357.13 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite
 342/357.01 ..With position indicating
 342/357.06 ...Using Global Positioning Satellite (GPS or
 Glonass)
 342/357.13With storage device (i.e., map or database
)

2 342/359 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/359 .Including antenna orientation

2 342/360 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/360 .Including antenna pattern plotting

2 342/361 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES

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342/350	DIRECTIVE
342/361	.Including polarized signal communication transmitter or receiver
2 342/37	(1 OR, 1 XR)
Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
342/36	AIR TRAFFIC CONTROL
342/37	.Secondary Surveillance Radar (SSR) or Air Traffic Control Radar Beacon System (ATCRBS
)	
2 342/423	(0 OR, 2 XR)
Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
342/350	DIRECTIVE
342/385	.Beacon or receiver
342/417	..Direction-finding receiver only
342/422	...With self-orienting antenna pattern
342/423Plural antennas
2 342/43	(1 OR, 1 XR)
Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
342/42	RADAR TRANSPONDER SYSTEM
342/43	.Combined with primary radar system
2 342/460	(0 OR, 2 XR)
Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
342/350	DIRECTIVE
342/450	.Position indicating (e.g., triangulation)
342/460	..Storm or atomic explosion location
2 342/5	(1 OR, 1 XR)
Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
342/5	RADAR REFLECTOR
2 342/55	(0 OR, 2 XR)
Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
342/52	COMBINED WITH DIVERSE TYPE RADIANT ENERGY SYSTEM
342/55	.With television
2 342/57	(0 OR, 2 XR)
Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS

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AND DEVICES

342/52 COMBINED WITH DIVERSE TYPE RADIANT ENERGY
SYSTEM

342/57 .With radio voice communication

2 342/6 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/5 RADAR REFLECTOR
342/6 .With modulation

2 342/80 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM
342/74 .Antenna control
342/75 ..Physical orientation
342/80 ...Monopulse

2 342/82 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM
342/82 .Transmitter

2 342/9 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/5 RADAR REFLECTOR
342/7 .Corner
342/9 ..Decoy or tow target

2 342/96 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM
342/89 .Receiver
342/94 ..Gating
342/95 ...Automatic range tracking
342/96Automatic track while scan (ATWS)

2 342/97 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM
342/89 .Receiver
342/94 ..Gating
342/95 ...Automatic range tracking

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342/97      ....With automatic lock-on

2  343/754      (1 OR, 1 XR)
    Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
    343/700R    ANTENNAS
    343/753      .With spaced or external radio wave refractor
                  (e.g., lens)
    343/754      ..With scanning, sweeping, or orienting

2  348/144      (0 OR, 2 XR)
    Class 348 : TELEVISION
    348/61      SPECIAL APPLICATIONS
    348/143      .Observation of or from a specific location
                  (e.g., surveillance)
    348/144      ..Aerial viewing

2  356/139.05    (0 OR, 2 XR)
    Class 356 : OPTICS: MEASURING AND TESTING
    356/138      ANGLE MEASURING OR ANGULAR AXIAL ALIGNMENT
    356/139.04    .Automatic following or aligning while
                  indicating measurement
    356/139.05    ..With optical elements moving relative to
                  fixed housing to follow or align

2  356/139.06    (0 OR, 2 XR)
    Class 356 : OPTICS: MEASURING AND TESTING
    356/138      ANGLE MEASURING OR ANGULAR AXIAL ALIGNMENT
    356/139.04    .Automatic following or aligning while
                  indicating measurement
    356/139.06    ..With optical housing moving to follow or
                  align

2  356/243.1      (0 OR, 2 XR)
    Class 356 : OPTICS: MEASURING AND TESTING
    356/243.1    STANDARD

2  356/477      (1 OR, 1 XR)
    Class 356 : OPTICS: MEASURING AND TESTING
    356/450      BY LIGHT INTERFERENCE (E.G., INTERFEROMETER)
    356/477      .Using fiber or waveguide interferometer

2  356/5.07      (2 OR, 0 XR)
    Class 356 : OPTICS: MEASURING AND TESTING
    356/3        RANGE OR REMOTE DISTANCE FINDING
    356/4.01      .With photodetection
    356/5.01      ..Of pulse transit time
    356/5.05      ...Having pulse transmission trigger
                  significance

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356/5.06Including optical pick-off of transmission
start

356/5.07With specific counter type timing of
returns

2 356/5.1 (1 OR, 1 XR)
Class 356 : OPTICS: MEASURING AND TESTING
356/3 RANGE OR REMOTE DISTANCE FINDING
356/4.01 .With photodetection
356/5.1 ..Of CW phase delay

2 356/5.13 (1 OR, 1 XR)
Class 356 : OPTICS: MEASURING AND TESTING
356/3 RANGE OR REMOTE DISTANCE FINDING
356/4.01 .With photodetection
356/5.1 ..Of CW phase delay
356/5.13 ...Having an alternating reference path

2 356/5.15 (0 OR, 2 XR)
Class 356 : OPTICS: MEASURING AND TESTING
356/3 RANGE OR REMOTE DISTANCE FINDING
356/4.01 .With photodetection
356/5.1 ..Of CW phase delay
356/5.15 ...Having specific IF mixing of returns

2 356/613 (0 OR, 2 XR)
Class 356 : OPTICS: MEASURING AND TESTING
356/601 SHAPE OR SURFACE CONFIGURATION
356/613 .Silhouette

2 367/13 (0 OR, 2 XR)
Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
SYSTEMS AND DEVICES
367/13 TESTING, MONITORING, OR CALIBRATING

2 367/93 (1 OR, 1 XR)
Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
SYSTEMS AND DEVICES
367/87 ECHO SYSTEMS
367/93 .Presence or movement only detection

2 367/98 (1 OR, 1 XR)
Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
SYSTEMS AND DEVICES
367/87 ECHO SYSTEMS
367/95 .Returned signal used for control
367/97 ..Receiver system
367/98 ...Automatic gain or threshold control

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2 368/120      (0 OR, 2 XR)
    Class 368 : HOROLOGY: TIME MEASURING SYSTEMS OR DEVICES

    368/89      TIME INTERVAL
    368/107     .Electrical or electromechanical
    368/113     ..Stop time type
    368/120     ...Including delay means

2 375/317      (0 OR, 2 XR)
    Class 375 : PULSE OR DIGITAL COMMUNICATIONS
    375/316     RECEIVERS
    375/317     .Automatic baseline or threshold adjustment

2 375/340      (1 OR, 1 XR)
    Class 375 : PULSE OR DIGITAL COMMUNICATIONS
    375/316     RECEIVERS
    375/340     .Particular pulse demodulator or detector

2 382/106      (1 OR, 1 XR)
    Class 382 : IMAGE ANALYSIS
    382/100     APPLICATIONS
    382/106     .Range or distance measuring

2 382/153      (0 OR, 2 XR)
    Class 382 : IMAGE ANALYSIS
    382/100     APPLICATIONS
    382/153     .Robotics

2 434/2        (1 OR, 1 XR)
    Class 434 : EDUCATION AND DEMONSTRATION
    434/1       DETECTION OR RANGE DETERMINATION OF DISTANT
                  OBJECT BY APPARATUS USING SENSOR OF ELECTR
OMAGNETIC OR
                  SOUND ENERGY
    434/2       .Radar

2 455/1        (1 OR, 1 XR)
    Class 455 : TELECOMMUNICATIONS
    455/1       INTERFERENCE SIGNAL TRANSMISSION (E.G.,
                  JAMMING)

2 455/205      (0 OR, 2 XR)
    Class 455 : TELECOMMUNICATIONS
    455/130     RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
                  CONVERTER
    455/205     .Frequency or phase modulation

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2 455/226.1 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/226.1 .Measuring or testing of receiver

2 701/119 (0 OR, 2 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/117 .Traffic analysis or control of surface vehicl
 e
 701/119 ..With determination of traffic speed

2 701/208 (0 OR, 2 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/200 NAVIGATION
 701/207 .Employing position determining equipment
 701/208 ..For use in a map data base system

2 702/106 (1 OR, 1 XR)
 Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR
 TESTING
 702/85 CALIBRATION OR CORRECTION SYSTEM
 702/106 .Signal frequency or phase correction

able 1
 abstract 1
 accompanying 1
 accordance 8
 according 1
 accounts 1
 accurately 1
 actual 26
 actually 1
 adapted 7
 adjust 1
 adjusts 1
 advantages 1
 affected 1
 air 2
 aircraft 8
 also 7
 alternatively 1
 although 1
 amplified 1
 amplifier 1
 an 8
 and 74
 another 1
 any 2
 application 3
 approximate 1
 are 5
 arrangements 1
 art 1
 as 18
 aspect 2
 at 10
 atmospheric 12
 attorney 8
 augment 2
 augmentation 17
 augmented 4
 augmenting 1
 available 3
 avoid 1
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 based 1
 be 30
 because 2
 been 2
 being 1
 below 1

between 5
 beyond 1
 block 1
 boeing 1
 brief 1
 broadband 1
 but 1
 by 9
 calculates 2
 calibrating 2
 calibration 50
 can 5
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 carried 1
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 claims 1
 communicates 1
 communication 5
 compares 2
 comparison 2
 comprises 2
 comprising 1
 computing 1
 condition 5
 conditions 14
 configurations 2
 configured 3
 consequences 1
 constructed 1
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 controlling 1
 could 3
 course 2
 coverage 1
 cross 21
 current 1
 defense 1
 defining 3
 departing 1
 dependent 1
 deploy 1
 described 3
 description 2
 desired 3
 detail 1
 detailed 1
 detect 5

detected 1
detecting 2
detection 39
detects 2
determine 7
determined 6
determining 1
device 33
diagram 2
different 1
disclosure 1
docket 8
drawings 3
eagleym 1
either 1
electrical 1
electronically 3
electronics 1
eliminates 1
embodiment 6
embodiments 3
enemy 1
entry 1
erred 2
erroneous 1
error 6
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even 2
example 4
existing 7
expected 2
expensive 1
express 1
extending 1
extends 1
features 1
field 1
figure 2
flies 1
flight 4
flights 1
flown 1
fly 1
following 1
for 21
forth 1
fro 1
from 10

further 3
gaps 1
generally 5
generates 1
given 4
greater 6
grumman 1
has 3
have 3
having 5
however 1
identified 1
illustrating 1
implementation 1
implemented 2
impractical 1
in 28
include 3
includes 3
including 1
inexpensive 1
information 1
integral 1
interpreted 1
invention 21
is 30
it 3
its 2
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known 2
larger 4
less 3
level 2
levels 1
limited 2
little 1
made 1
magnitude 3
mail 1
manned 6
manner 1
maximum 3
may 25
measuring 1
mechanical 2
meter 1
method 8
miles 2

military 1
 minimize 1
 monitoring 1
 more 4
 moreover 1
 most 1
 much 2
 multiple 1
 must 1
 navigate 2
 need 1
 non 6
 normally 1
 northrop 1
 not 1
 number 8
 of 78
 on 2
 one 1
 operation 2
 operational 1
 operator 2
 or 8
 orders 2
 other 1
 out 1
 over 1
 overestimates 1
 page 8
 parameter 2
 particular 2
 particularly 1
 path 1
 performance 2
 pilot 1
 places 1
 plan 1
 poses 1
 position 27
 positions 5
 practice 1
 predetermined 2
 pref 2
 preferably 3
 preferred 5
 present 7
 problems 1
 procedures 1

process 1
 programmed 3
 provide 2
 provided 1
 providing 3
 purpose 1
 radar 95
 radars 1
 range 23
 ranges 1
 receive 3
 received 2
 receives 1
 reduce 1
 reduces 1
 reference 2
 referring 1
 reflected 1
 reflector 1
 relates 1
 relative 1
 relatively 1
 repeated 1
 replicate 2
 representing 1
 required 1
 respectively 1
 result 1
 resulting 1
 return 1
 risk 1
 safety 1
 same 1
 sas 1
 scan 1
 schematically 1
 scope 1
 section 12
 sections 9
 see 1
 select 1
 selected 3
 sense 1
 sensed 13
 sensing 3
 separate 1
 set 1
 several 2

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severe 1
ship 1
ships 1
should 1
shown 2
signal 15
signals 6
significantly 2
simulate 4
single 1
size 3
sizes 1
skill 1
small 2
solves 1
specific 2
specifically 1
square 1
structure 1
such 7
sufficient 1
suitable 2
summary 1
suppliers 1
syste 1
system 51
systems 1
takes 1
target 37
targets 11
test 3
than 5
that 13
the 202
their 1
there 1
thereby 1
these 3
they 2
this 7
those 3
thus 1
time 6
to 49
transmit 1
transmitted 1
true 14
types 2

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under 6
understood 1
undesirable 1
unmanned 2
upon 3
use 4
used 9
uses 3
using 5
utilizing 1
variances 1
various 9
vehicle 2
way 1
well 2
were 1
when 2
where 1
whereby 2
which 6
while 1
with 18
within 4
without 4
would 1
zone 11
zones 3